भारतीय मानक
Indian Standard

IS 6348 : 2021

मछली पकड़नें के जाल — जाली का लटकना — मूल शब्दावली एवं परिभाषायें

(पहला पुनरीक्षण)

Fishing Nets — Hanging of Netting — Basic Terms and Definitions

(First Revision)

ICS 65.150

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भारतीय मानक ब्यूरो
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August 2021 **Price Group 1**

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by Textile Materials for Marine/Fishing Purposes Sectional Committee had been approved by the Textile Division Council.

This standard is one of the series of India standards on methods of test of fishing gear materials. This standard was first published in 1971. It has been revised to align it with latest trade practices and ISO 1531 : 1973 Fishing nets — Hanging of netting — Basic terms and definitions.

The composition of the Committee responsible for the formulation of this standard is given in Annex A.

In reporting the results of a test or analysis made in accordance with this standard if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 1960 ‘Rules for rounding off numerical values (*revised*)’.

Indian Standard

FISHING NETS — HANGING OF NETTING — BASIC TERMS AND DEFINITIONS

(First Revision)

1 SCOPE

This standard prescribes principal terms pertaining to hanging of netting for fishing nets together with their definitions.

2 REFERENCES

The following standard contains provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of this standard:

IS No.	*Title*
4402 : 2020/ ISO 1107 : 2017	Fishing nets — Netting — Basic terms and definitions (*third revision*)

3 DEFINITIONS

3.1 Mounting — The attachment of netting to a supporting rope or frame.

NOTE — The netting direction, *N* or *T* (*see* IS 4402), in relation to the rope used for mounting, shall be stated precisely.

3.2 Hanging — The mounting of netting according to a specific relationship between the length of that part of the final rope or frame on which the netting is mounted (*see* **2.3**) and the length of the netting.

3.3 Length of Rope — The length of the section of the rope or frame between the extreme points of mounting of the netting.

3.4 For the calculation of the hanging ratio length of netting means that dimension of the netting to be mounted which is parallel to the final rope or frame, measured when the netting is fully extended in one or other of the directions mentioned in Note under **2.1**, prior to being hung.

3.5 Hanging Ratio *(E)* — The ratio between the length of final rope (*see* **2.3**) and the length of netting (*see* **2.4**), shall be calculated as follows:

$$E = \frac{\text{length of rope}}{\text{length of netting}}$$

NOTE — In this equation.

a) the numerator and denominator are both expressed in the same unit of length, or

b) the numerator indicates the length of rope measured in mesh lengths on to which is hung the number of meshes indicated by the denominator.

Example:

$$\text{Hanging ratio } E = \frac{7}{10} \text{ means}$$

a) that on a 7-m rope a 10-m netting is hung, or

b) that a section of rope of length equal to the length of 7 meshes measured according to **2.4** is supporting 10 meshes of netting.

The hanging ratio may be written as a vulgar fraction.

Thus, using the above example:

$$E = \frac{7}{10} \text{ means}$$

3.6 Hanging Coefficient — Normally expressed as a decimal fraction of the expression.

length of line stretched mesh length of netting.

Example:

A 50-m gill net, with a hanging coefficient of 0.33, means that the hung length of the net is 0.33 of its stretched mesh length.

3.7 Take-Up *(H)* — The reciprocal of the hanging coefficient expressed as a percentage and calculated as follows:

$$H = \frac{\text{length of netting, } L - \text{length of rope, }}{\text{length of netting, } L} \; l \times 100$$

Example:

$$\frac{10-7}{10} \times 100 = 30 \text{ percent}$$

Where, $L = 10$ and $l = 7$.

ANNEX A

(*Foreword*)

COMMITTEE COMPOSITION

Textile Materials for Marine/Fishing Purposes Sectional Committee, TXD 18

Organization	*Representative(s)*
ICAR-Central Institute of Fisheries Technology, Kochi	Shrimati (Dr) Saly N. Thomas (***Chairman***)
Association of Indian Fishery Industries, New Delhi	Shri T. Ragunath Reddy Dr C. Babu Rao (*Alternate*)
Centre for Marine Living Resources and Environment, Kochi	Dr Sherine Sonia Cubelio Dr Hashim (*Alternate*)
Central Institute of Fisheries, Nautical and Engg Training, Kochi	Shri M. G. Makwana
ICAR-Central Institute of Brackishwater Aquaculture, Chennai	Shri Jose Antony
ICAR-Central Institute of Fisheries Technology, Kochi	Shrimati (Dr) Saly N. Thomas Dr Sandhya K. M. (*Alternate*)
ICAR-Central Marine Fisheries Research Institute, Kochi	Dr Ratheesh
Fisheries Development Commissioner, New Delhi	Dr Paul Pandiyan Dr Sanjay Pandey (*Alternate*)
Fisheries Survey of India, Mumbai	Dr S. Ramachandran Shri A. E. Ayoob (*Alternate*)
Garware Technical Fibres Ltd, Pune	Shri Kishore J. Darda Shri Sachin P. Kulkarni (*Alternate*)
Indian Fishnet Manufacturers' Association, Chennai	Shri M. K. Unni Krishnan
National Institute of Ocean Technology, Chennai	Dr G. Dharani Dr N. V. Vinithkumar (*Alternate*)
Office of the Textile Commissioner, Mumbai	Shri Ajay Pandit Shri N. K. Singh (*Alternate*)
Reliance Industries Limited, Mumbai	Shri M. S. Verma Shri Keshav Pareek (*Alternate*)
SRFP Limited, Chennai	Shri N. Santhan Shri R. Raghvendra Sayee (*Alternate*)
The Synthetic and Art Silk Mills' Research Association, Mumbai	Shrimati Ashwini A. Sudam Shri Ravi Prakash Singh (*Alternate*)
The Karnataka Fisheries Development Corporation Ltd, Bangaluru	Managing Director
The Kerala State Cooperative Federation for Fisheries Development Ltd, Kochi	Shri P. Surendren
The Marine Products Export Development Authority, Kochi	Dr M. K. Rammohan Shri A. Sakthivel (*Alternate*)
BIS Directorate General	Shri A. K. Bera, Scientist 'F' and Head (TXD) [Representing Director General (*Ex-officio*)]

Member Secretary

Shri A. K. Bera
Scientist 'F' and Head (Textiles), BIS

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This Indian Standard has been developed from Doc No.: TXD 18 (17384).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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Published by BIS, New Delhi